

SAFETY SYRINGE

ABSTRACT OF THE INVENTION

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A safety syringe includes a flexible holder-supporting seat that is sleeved around and that clamps a needle holder within a front end portion of a syringe barrel. A flexible sealing member seals an open front end of a plunger so as to define a vacuuming chamber in
10 the plunger. When the plunger moves within the barrel to a front limit position, a holder-retaining front portion of the sealing member engages and retains the needle holder thereon. The plunger pushes the holder-supporting seat to separate from the needle holder such that the sealing member and the needle holder mover rearward within
15 the syringe barrel due to negative pressure produced in the plunger, thereby retracting a needle into the syringe barrel.